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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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HAMILTON & TERRILE, LLP
P.O. BOX 203518
AUSTIN, TX 78720

EXAMINER	
WILSON, YOLANDA L	
ART UNIT	**PAPER NUMBER**
2113	

DATE MAILED: 12/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/902,128	SHILLINGTON ET AL.	
	Examiner	Art Unit	
	Yolanda Wilson	2113	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *02 September 2005*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-44* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-44* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-44 are rejected under 35 U.S.C. 102(b) as being anticipated by Kim et al. (USPN 6026362A). As appears in claims 1,7, and 8, Kim et al. discloses invoking the application program and the debugger program from the workstation via a network interface to cause the server to execute the application program and the debugger program in column 10, lines 33-46; displaying a user frame at the workstation that includes information generated by the application program in column 13, line 66 – column 14, line 4; providing a debug view option at the workstation for generating a debug frame of the application program in column 14, 51-57; column 15, lines 10-31; displaying the debug frame at the workstation when the debug view option is selected wherein the debug frame includes information about one or more components of the application program in column 14, 51-57; column 15, lines 10-31.

3. As per claims 2 and 18, Kim et al. discloses providing a user view option at the workstation for generating the user frame and displaying the user frame when the user view option is selected in column 13, line 66 – column 14, line 4.

4. As per claim 3, Kim et al. discloses displaying the debug frame at the workstation includes providing a list of variable names in the application program in column 14, 51-57; column 15, lines 10-31.

5. As per claim 4, Kim et al. discloses displaying the debug frame at the workstation includes providing at least one of: a list of request information variable names in the application program or a list of session information variable names in the application program in column 15, lines 1-6; column 8, lines 24-36.

6. As per claim 5, Kim et al. discloses wherein one or more of the variable names represents a corresponding object, the method further comprising: selecting one of the variable names; and providing information about the object corresponding to the variable name on the debug frame in column 15, lines 1-6; column 8, lines 24-36.

7. As per claim 6, Kim et al. discloses wherein the information about the object includes at least one of: the fields of the object, the methods associated with the object or the constructors associated with the object in column 15, lines 1-6; column 8, lines 24-36.

8. As per claims 9, 15,16,21, Kim et al. discloses executing the application program and the debugger program on the server when the application program is invoked from the workstation in column 10, lines 33-46; generating information for a user frame at the workstation that includes information generated by the application program in column 13, line 66 – column 14, line 4; and generating information for a debug frame at the workstation when a debug view option is selected from the workstation wherein the

debug frame includes information about components of the application program in column 14, 51-57; column 15, lines 10-31.

9. As per claims 10 and 22, Kim et al. discloses wherein generating information for the debug frame includes saving the information for the user frame when the debug view option is selected in column 10, lines 40-46 and column 13, line 66 – column 14, line 4.

10. As per claims 11 and 23, Kim et al. discloses restoring the saved information for the user frame when a user view option is selected at the workstation in column 10, lines 40-46 and column 13, line 66 – column 14, line 4.

11. As per claim 12, Kim et al. discloses generating information for the debug frame includes generating a list of components of the application program in column 14, 51-57; column 15, lines 10-31.

12. As per claim 13, Kim et al. discloses wherein generating information for the debug frame includes generating at least one of: a list of variables in the application program, a list of methods associated with one or more of the variables in the application program, or a list of constructors with one or more of the variables in the application program in column 4, line 50 – column 5, line 7.

13. As per claim 14, Kim et al. discloses wherein generating information for the debug frame includes using reflection technology to generate at least one of: a list of variables in the application program, a list of methods associated with one or more of the variables, and a list of constructors associated with one or more of the variables in column 15, lines 1-6; column 8, lines 24-36.

14. As per claim 17, Kim et al. discloses means for invoking the application program and the debugger program from the workstation to cause the server to execute the application program and the debugger program in column 10, lines 33-46; means for presenting a user frame at the workstation that includes information generated by the application program in column 13, line 66 – column 14, line 4; means for presenting a debug view option at the workstation to generate a debug frame of the application program in column 14, 51-57; column 15, lines 10-31; and means for presenting the debug frame at the workstation when the debug view option is selected in column 14, 51-57; column 15, lines 10-31.

15. As per claim 19, Kim et al. discloses the debug frame at the workstation includes presenting a list of components of the application program in column 14, 51-57; column 15, lines 10-31.

16. As per claim 20, Kim et al. discloses means for presenting information about the selected object, wherein the information about the object includes at least one of: the name of the object, the fields of the object, the methods associated with the object, or the constructors associated with the object in column 15, lines 1-6; column 8, lines 24-36.

17. As per claim 24, Kim et al. discloses the means for generating information for the debug frame includes means for generating a list of objects in the application program in column 15, lines 1-6; column 8, lines 24-36.

18. As per claim 25, Kim et al. discloses wherein means for generating information for the debug frame includes at least one of: a list of methods associated with one or

more of the objects in the application program, or a list of constructors with one or more of the objects in the application program in column 15, lines 1-6; column 8, lines 24-36.

19. As per claim 26, Kim et al. discloses wherein the means for generating information for the debug frame includes using reflection technology to generate at least one of: a list of objects in the application program, a list of methods associated with one or more of the objects, and a list of constructors associated with one or more of the objects in column 15, lines 1-6; column 8, lines 24-36.

20. As per claim 27, Kim et al. discloses means for providing the list of objects to the workstation when the debug view option is selected at the workstation in column 14, line 51 – column 15, line 6; column 8, lines 24-36.

21. As per claim 28, Kim et al. discloses means for providing at lest one of: a list of names of the objects, a list of fields of at least one of the objects, a list of values of at least one of the objects, the list of methods associated with at least one of the objects in column 15, lines 1-6; column 8, lines 24-36.

22. As per claim 29, Kim et al. discloses a interface operable to: allow a user to invoke the application program and the debugger program from the workstation to cause the server to execute the application program and the debugger program in column 10, lines 33-46; present a user frame at the workstation that includes information generated by the application program in column 13, line 66 – column 14, line 4; present a debug view option to generate a debug frame of the application program in column 14, 51-57; column 15, lines 10-31; and present the debug frame at

the workstation when the debug view option is selected in column 14, 51-57; column 15, lines 10-31.

23. As per claim 30, Kim et al. discloses present a user view option at the workstation and present the user frame when the user view option is selected in column 13, line 66 – column 14, line 4.

24. As per claim 31, Kim et al. discloses the debug frame at the workstation includes a list of one or more components of the application program in column 14, 51-57; column 15, lines 10-31.

25.

26. As per claim 34, Kim et al. discloses wherein the user interface is operable to present additional information about at least one of the components when the component is selected by the user in column 13, line 66 – column 14, line 4.

27. As per claim 35, Kim et al. discloses wherein the additional information includes at least one of: the name of the component, the fields of the component, the methods associated with the component, or the constructors associated with the component in column 15, lines 1-6; column 8, lines 24-36.

28. As per claim 36, Kim et al. discloses means for executing the application program and the debugger program on the server when the application program is invoked from the workstation in column 10, lines 33-46; means for generating information for a user frame at the workstation that includes information generated by the application program in column 13, line 66 – column 14, line 4; and a debugger program operable to generate information for a debug frame at the workstation when a

debug view option is selected from the workstation wherein the debug frame includes information about components of the application program in column 14, 51-57; column 15, lines 10-31.

29. As per claim 37, Kim et al. discloses wherein the debugger program is operable to save the information for the user frame when the debug view option is selected in column 10, lines 40-46 and column 13, line 66 – column 14, line 4.

30. As per claim 38, Kim et al. discloses wherein the debugger program is operable to restore the saved information for the user frame when a user view option is selected at the workstation in column 10, lines 40-46 and column 13, line 66 – column 14, line 4.

31. As per claim 39, Kim et al. discloses wherein the debugger program is operable to generate a list of objects of the application program in column 15, lines 1-6; column 8, lines 24-36.

32. As per claim 40, Kim et al. discloses wherein the debugger program is operable to generate at least one of: a list of methods associated with one or more of the variables in the application program, or a list of constructors with one or more of the variables in the application program in column 15, lines 1-6; column 8, lines 24-36.

33. As per claim 41, Kim et al. discloses wherein the debugger program is operable to use reflection technology to generate at least one of: a list of objects in the application program, a list of methods associated with one or more of the objects, and a list of constructors associated with one or more of the objects in column 15, lines 1-6; column 8, lines 24-36.

34. As per claim 44, Kim et al. discloses the application program accesses at least one of internal code, private code, or public code in column 15, lines 1-6; column 8, lines 24-36.

Claim Rejections - 35 USC § 103

35. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

36. Claims 32,33,42,43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kim et al. in view of Gebauer (USPN 6782386B1). As per claim 32, Kim et al. fails to explicitly state the application program generates instructions and information for displaying a web page at the user interface.

Gebauer discloses this limitation in column 3, lines 46-62.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have the application program generate instructions and information for displaying a web page at the user interface. A person of ordinary skill in the art would have been motivated to have the application program generate instructions and information for displaying a web page at the user interface because the application being debugged on the server displays results on a web page in a web browser on the client side. Gebauer discloses this in column 13, lines 23-33.

37. As per claim 33, Kim et al. discloses wherein the user interface is a web browser operable to communicate with the server.

Gebauer discloses this limitation in column 3, lines 46-62.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have the user interface be a web browser operable to communicate with the server. A person of ordinary skill in the art would have been motivated to have the user interface be a web browser operable to communicate with the server because the application being debugged on the server displays results on a web page in a web browser on the client side in response to a user sending requests. Gebauer discloses this in column 13, lines 23-33 and in column 13, lines 36-40.

38. As per claim 42, Kim et al. fails to explicitly state the application program generates instructions and information for displaying a web page.

Gebauer discloses this limitation in column 3, lines 46-62.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have the application program generate instructions and information for displaying a web page. A person of ordinary skill in the art would have been motivated to have the application program generate instructions and information for displaying a web page because the application being debugged on the server displays results on a web page in a web browser on the client side. Gebauer discloses this in column 13, lines 23-33.

39. As per claim 43, Kim et al. discloses the server is operable to communicate with a web browser program at the workstation.

Gebauer discloses this limitation in column 3, lines 46-62.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have the user interface be a web browser operable to communicate with the server. A person of ordinary skill in the art would have been motivated to have the user interface be a web browser operable to communicate with the server because the application being debugged on the server displays results on a web page in a web browser on the client side in response to a user sending requests. Gebauer discloses this in column 13, lines 23-33 and in column 13, lines 36-40.

Response to Arguments

40. Applicant's arguments filed 09/02/2005 have been fully considered. Based upon the amending of the independent claims, a new rejection has been written, as disclosed above.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yolanda L. Wilson whose telephone number is (571) 272-3653. The examiner can normally be reached on M-F (7:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on (571) 272-3645. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Yolanda L Wilson
Examiner
Art Unit 2113